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  * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 14:26:41 ON 06 FEB 2004

=> file reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

FILE 'REGISTRY' ENTERED AT 14:26:47 ON 06 FEB 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:     5 FEB 2004  HIGHEST RN 646989-19-7
DICTIONARY FILE UPDATES:    5 FEB 2004  HIGHEST RN 646989-19-7

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

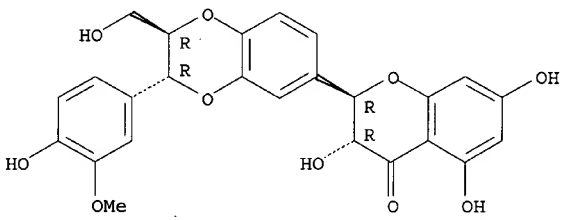
=> s silybin
L1          21 SILYBIN

=> d 21

L1   ANSWER 21 OF 21  REGISTRY  COPYRIGHT 2004 ACS on STN
RN   22888-70-6  REGISTRY
CN   4H-1-Benzopyran-4-one, 2-[(2R,3R)-2,3-dihydro-3-(4-hydroxy-3-
     methoxyphenyl)-2-(hydroxymethyl)-1,4-benzodioxin-6-yl]-2,3-dihydro-3,5,7-
     trihydroxy-, (2R,3R)- (9CI)  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   1,4-Benzodioxin, 4H-1-benzopyran-4-one deriv.
CN   4-Chromanone, 3,5,7-trihydroxy-2-[3-(4-hydroxy-3-methoxyphenyl)-2-
     (hydroxymethyl)-1,4-benzodioxan-6-yl]- (8CI)
CN   4H-1-Benzopyran-4-one, 2-[2,3-dihydro-3-(4-hydroxy-3-methoxyphenyl)-2-
     (hydroxymethyl)-1,4-benzodioxin-6-yl]-2,3-dihydro-3,5,7-trihydroxy-,
     [2R-[2.alpha.,3.beta.,6(2R*,3R*)]]-
CN   Silybin (7CI)
OTHER NAMES:
CN   7C3MT
CN   Silibinin
CN   Silliver
CN   Silybin A
CN   Silybine
CN   Silybum substance E6
CN   Silymarin I
CN   Silymarin MZ 80
CN   Silymarine I
FS   STEREOSEARCH
DR   11054-49-2, 11076-05-4, 11076-06-5, 22888-69-3, 50976-99-3, 37574-50-8,
     142796-20-1, 87725-90-4, 27359-03-1, 28577-40-4, 29832-10-8
MF   C25 H22 O10
```

CI COM
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, PROMT, RTECS*, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL, VETU
(*File contains numerically searchable property data)
Other Sources: EINECS**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

482 REFERENCES IN FILE CA (1907 TO DATE)
22 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
486 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

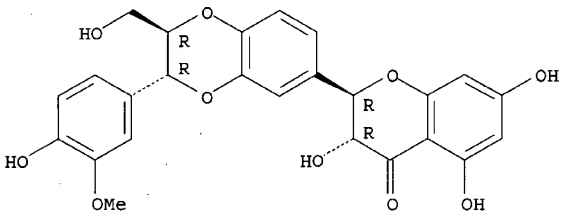
=> s silymarin
L2 25 SILYMARIN

=> d 25

L2 ANSWER 25 OF 25 REGISTRY COPYRIGHT 2004 ACS on STN
RN 22888-70-6 REGISTRY
CN 4H-1-Benzopyran-4-one, 2-[(2R,3R)-2,3-dihydro-3-(4-hydroxy-3-methoxyphenyl)-2-(hydroxymethyl)-1,4-benzodioxin-6-yl]-2,3-dihydro-3,5,7-trihydroxy-, (2R,3R)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,4-Benzodioxin, 4H-1-benzopyran-4-one deriv.
CN 4-Chromanone, 3,5,7-trihydroxy-2-[3-(4-hydroxy-3-methoxyphenyl)-2-(hydroxymethyl)-1,4-benzodioxan-6-yl]- (8CI)
CN 4H-1-Benzopyran-4-one, 2-[2,3-dihydro-3-(4-hydroxy-3-methoxyphenyl)-2-(hydroxymethyl)-1,4-benzodioxin-6-yl]-2,3-dihydro-3,5,7-trihydroxy-, [2R-[2.alpha.,3.beta.,6(2R*,3R*)]]-
CN Silybin (7CI)
OTHER NAMES:
CN 7C3MT
CN Silibinin
CN Silliver
CN Silybin A
CN Silybine
CN Silybum substance E6
CN **Silymarin I**
CN **Silymarin MZ 80**
CN Silymarine I
FS STEREOSEARCH
DR 11054-49-2, 11076-05-4, 11076-06-5, 22888-69-3, 50976-99-3, 37574-50-8, 142796-20-1, 87725-90-4, 27359-03-1, 28577-40-4, 29832-10-8

MF C25 H22 O10
CI COM
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, PROMT, RTECS*, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL, VETU
(*File contains numerically searchable property data)
Other Sources: EINECS**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

482 REFERENCES IN FILE CA (1907 TO DATE)
22 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
486 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=>
Connection closed by remote host

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1             0 S FLAVONOLIGNAN

      FILE 'CAPLUS, MEDLINE, BIOSIS, EMBASE, USPATFULL' ENTERED AT 21:51:53 ON
      05 FEB 2004
L2          3229 S FLAVANOLIGNAN OR SILIBIN OR SILYMARIN
L3           264 S L2 AND (CARBOHYDRATE OR GLUCOSE OR MALTODEXTRINS OR FUCTOSE O
L4           169 S L3 AND (MINERAL OR MAGNESIUM OR CALCIUM OR SODIUM OR POTASSI
L5           131 S L4 AND VITAMIN
L6            24 S L4 AND (REHYDRATION OR DEHYDRATION OR HYPOTONIC)
L7            23 S L6 AND VITAMIN
L8            23 DUP REM L7 (0 DUPLICATES REMOVED)
L9           702 S L5 OR MILK THISTLE
L10         3538 S L2 OR MILK THISTLE
L11          264 S L10 AND L3
L12          331 S L10 AND (CARBOHYDRATE OR GLUCOSE OR MALTODEXTRINS OR FUCTOSE
L13           35 S L12 AND (REHYDRATION OR DEHYDRATION OR HYPOTONIC)
L14           35 DUP REM L13 (0 DUPLICATES REMOVED)
L15           38 S L10 AND (REHYDRATION OR HYPOHYDRATION OR DEHYDRATION)
L16           35 DUP REM L14 (0 DUPLICATES REMOVED)
L17           38 DUP REM L15 (0 DUPLICATES REMOVED)
L18           38 FOCUS L17 1-

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